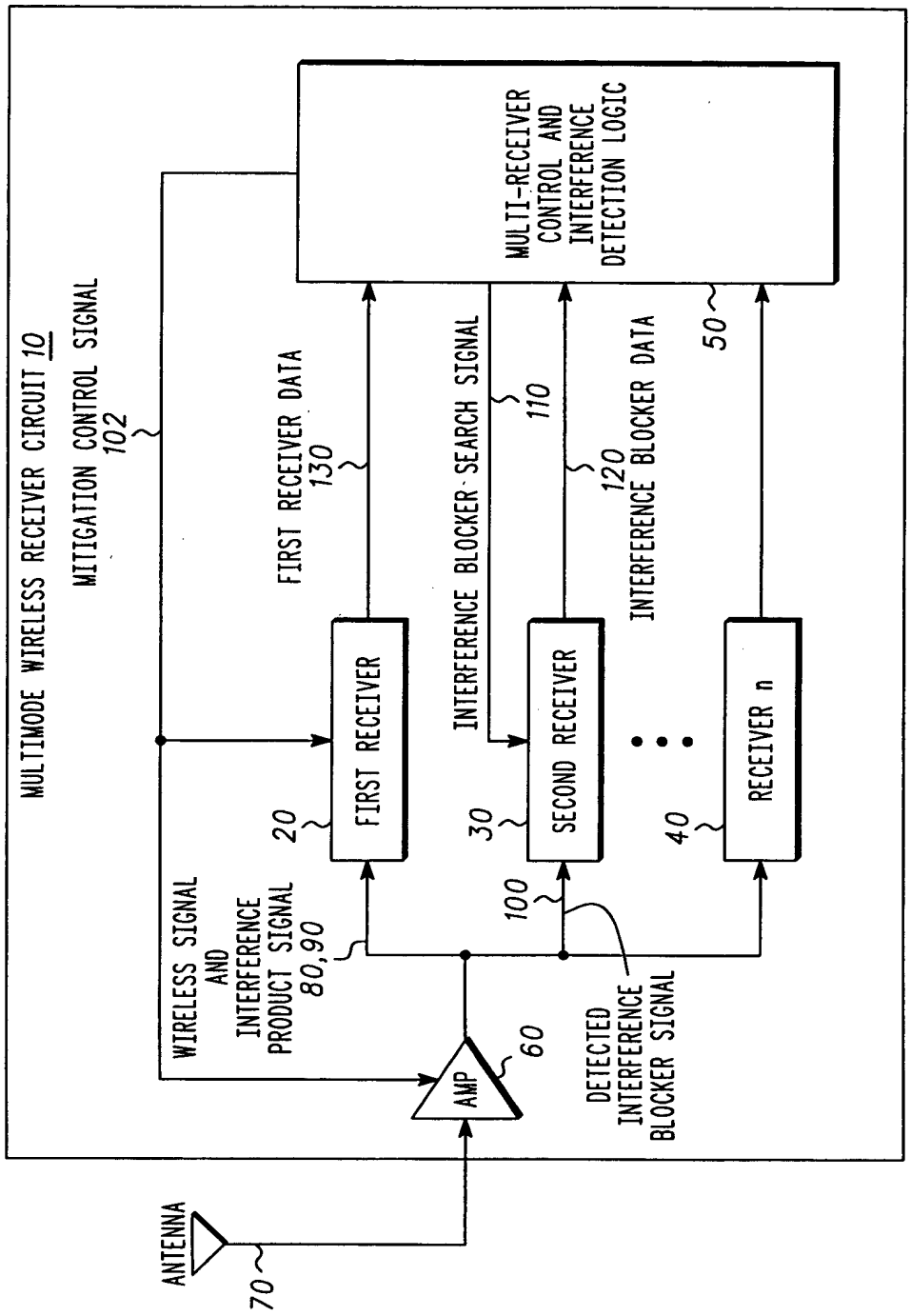
MULTIMODE WIRELESS RECEIVER CIRCUIT 10
MITIGATION CONTROL SIGNAL
102
MULTI-RECEIVER CONTROL AND INTERFERENCE DETECTION LOGIC
50
FIRST RECEIVER DATA
130
INTERFERENCE BLOCKER SEARCH SIGNAL
110
INTERFERENCE BLOCKER DATA
120
FIRST RECEIVER
20
SECOND RECEIVER
30
RECEIVER n
40
WIRELESS SIGNAL AND INTERFERENCE PRODUCT SIGNAL
80,90
100
AMP
60
DETECTED INTERFERENCE BLOCKER SIGNAL
ANTENNA
70

FIG. 1

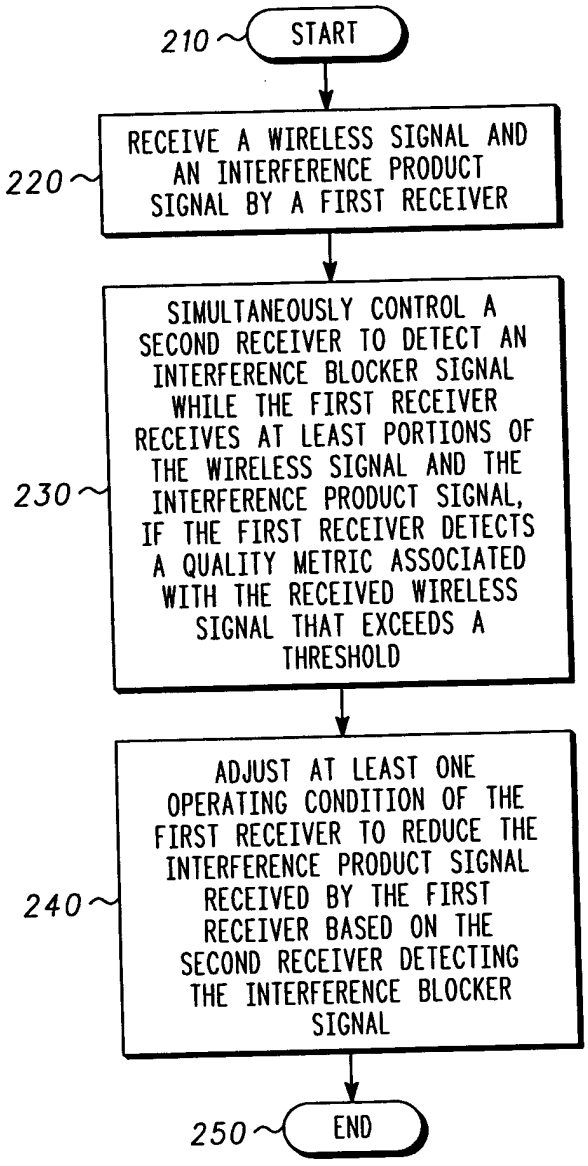
200
210
START
220
RECEIVE A WIRELESS SIGNAL AND AN INTERFERENCE PRODUCT SIGNAL BY A FIRST RECEIVER
230
SIMULTANEOUSLY CONTROL A SECOND RECEIVER TO DETECT AN INTERFERENCE BLOCKER SIGNAL WHILE THE FIRST RECEIVER RECEIVES AT LEAST PORTIONS OF THE WIRELESS SIGNAL AND THE INTERFERENCE PRODUCT SIGNAL, IF THE FIRST RECEIVER DETECTS A QUALITY METRIC ASSOCIATED WITH THE RECEIVED WIRELESS SIGNAL THAT EXCEEDS A THRESHOLD
240
ADJUST AT LEAST ONE OPERATING CONDITION OF THE FIRST RECEIVER TO REDUCE THE INTERFERENCE PRODUCT SIGNAL RECEIVED BY THE FIRST RECEIVER BASED ON THE SECOND RECEIVER DETECTING THE INTERFERENCE BLOCKER SIGNAL
250
END

FIG. 2

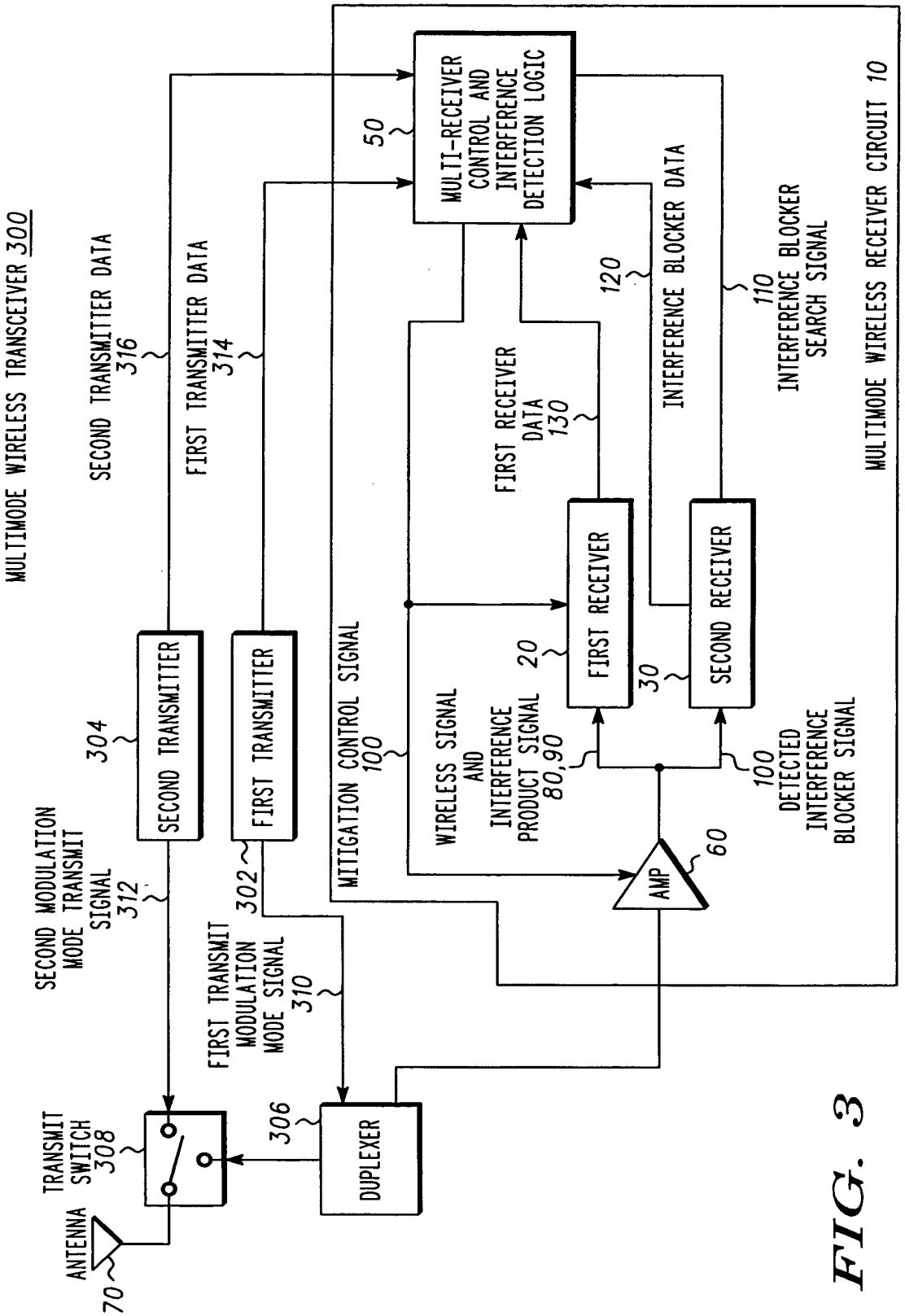
MULTIMODE WIRELESS TRANSCEIVER 300
MULTIMODE WIRELESS RECEIVER CIRCUIT 10
MULTI-RECEIVER CONTROL AND INTERFERENCE DETECTION LOGIC
50
SECOND TRANSMITTER DATA
316
FIRST TRANSMITTER DATA
314
FIRST RECEIVER DATA
130
120
INTERFERENCE BLOCKER DATA
110
INTERFERENCE BLOCKER SEARCH SIGNAL
SECOND TRANSMITTER
304
FIRST TRANSMITTER
302
MITIGATION CONTROL SIGNAL
100
FIRST RECEIVER
20
SECOND RECEIVER
30
WIRELESS SIGNAL AND INTERFERENCE PRODUCT SIGNAL
80,90
AMP
60
DETECTED INTERFERENCE BLOCKER SIGNAL
100
SECOND MODULATION MODE TRANSMIT SIGNAL
312
FIRST TRANSMIT MODULATION MODE SIGNAL
310
TRANSMIT SWITCH
308
306
DUPLEXER
ANTENNA
70

FIG. 3